

In the Claims:

1. (Original) A cellular wheel sluice constructed as a blow through sluice, particularly for dosing secondary fuels, comprising a supply chute (2) and therebelow a horizontally arranged cellular wheel (4) provided with radial cellular webs (3), which comprises blow-in (10) and blow-out holes (11) arranged in the housing below the axis of the cellular wheel within the rotational area of the cellular wheel webs (3) and positioned opposite each other in facing sides of the housing, characterized in that an injection nozzle (15) is integrated in the area of the blow-in hole (10), said injection nozzle blowing transport air into the dosing chambers (5) formed by the cellular wheel webs (3), and in that the cellular wheel webs (3) comprise gap seals (12) hard as metal and positioned in their radial end zones.

2. (Original) The cellular wheel sluice of claim 1, characterized in that the injection nozzle (15) is set-in coaxially and inwardly in a blow-in pipe socket (16) secured to the blow-in hole (10), said injection nozzle causing a reduction of the blow-in cross-section in the area of the blow-in opening (10) relative to the blow-in pipe cross-section.

Claims 3 to 9 (Canceled).



1 10. (New) The cellular wheel sluice of claim 1, characterized  
2 in that the blow-in hole (10) and the blow-out hole (11)  
3 are positioned axially opposite each other in the housing  
4 facing surfaces (26), and in that the cross-sectional area  
5 at least of the blow-out hole (11) has about the  
6 cross-section of the dosing chamber (5).

1 11. (New) The cellular wheel sluice of claim 1, characterized  
2 in that the injection nozzle (15) is constructed as a pipe  
3 shape and comprises a nozzle opening (24) having a diameter  
4 corresponding, at the most, to one half of the median  
5 dosing chamber diameter.

1 12. (New) The cellular wheel sluice of claim 1, characterized  
2 in that the gap seals are constructed as separate cutting  
3 edges (12) made of a spring steel or other low wear steel  
4 alloy and that they are exchangeably secured to the  
5 cellular wheel webs (3).

1 13. (New) The cellular wheel sluice of claim 12, characterized  
2 in that a counter cutting blade (13) is provided in the  
3 supply chute (2) parallel to the cutting edges (12) which  
4 pass by the counter cutting edge (13) with a small spacing  
5 and in an opposing alignment.

1 14. (New) The cellular wheel sluice of claim 1, characterized  
2 in that the housing section (1) is provided with a wear  
3 bushing (21) on the cylinder shaped inner wall and at the



4 facing sides with a wear lining (14) which are made of a  
5 spring steel material or of a low wear steel alloy.

1 15. (New) The cellular wheel sluice of claim 12, characterized  
2 in that the cell wheel webs (3) with the cutting edges (12)  
3 are secured to the cellular wheel core (9) to extend at a  
4 slant to the axial direction or with a slight helix.

1 16. (New) The cellular wheel sluice of claim 13, characterized  
2 in that the counter cutting blade (13) is arranged at a  
3 slant to the axial direction of the straight cellular wheel  
4 webs (3).

**[REMARKS FOLLOW ON NEXT PAGE]**